

ARCHITECTURAL DETAIL PLATES

PLATE 68

St. S. Peirce and Paul Obernd
Observatory, Terre
Direct-indirect Lighting with
X-Ray Reflectors



Curtis Lighting, Inc.

New York

CHICAGO

Los Angeles

THIS IS ONE OF A SERIES ISSUED IN 1916

ENGINEERED ILLUMINATION FOR CHURCH AUDITORIUM

ST'S PETER & PAUL CHURCH

CHATTANOOGA TENN

SUSPENSION OF
LUMINAIRE
MEASURED FROM
CANOPY TO TOP
OF LANTERN
CENTER BAY 18'-0"
SIDE DAYS 11'-0"

LANTERNS
SUPPORTED BY
WORM GEAR
WINCH LOCATED
ABOVE CEILING
OF AUDITORIUM

CROSS SECTION OF MAIN AUDITORIUM

SCALE 1/200' = 1'-0"

SILVERED REFLECTOR
FOR INDIRECT
LIGHTING

LAMPS FOR SOFTLY
ILLUMINATING GLASS

SILVERED REFLECTOR
FOR DIRECT LIGHTING

HINGED DOOR OF SANDED
HEAT RESISTING GLASS

GENERAL NOTES

CENTER DAY 3 LANTERNS
DIAMETER 36' HEIGHT 36'
REFLECTOR EQUIPMENT
INDIRECT LIGHTING 4-150 WATT
DIRECT LIGHTING 1-1000 WATT

SIDE DAYS 8 LANTERNS
DIAMETER 22' HEIGHT 22'
REFLECTOR EQUIPMENT
INDIRECT LIGHTING 3-150 WATT
DIRECT LIGHTING 1-200 WATT

DETAIL OF LANTERN

SCALE 1/20' = 1'-0"

FLOODLIGHTS
FOR ILLUMINATING
ALTER

'A' 1-500 WATT
X-RAY #68

'B' 3-200 WATT
X-RAY #35

SECTION OF SANCTUARY

SCALE 1/20' = 1'-0"

AUDITORIUM
AREA 8040 SQ.FT.

HEIGHT
CENTER DAY
SOFT
SIDE DAYS
41 FT

LANTERNS 36" DIAMETER

LANTERNS 22" DIAMETER

PLAN OF AUDITORIUM SHOWING LOCATION OF LUMINAIRE

SCALE 1/20' = 1'-0"

EYE COMFORT LIGHTING IDEAL FOR CHURCH DIRECT INDIRECT LUMINAIRES IN STS. PETER & PAUL AUDITORIUM



The architectural beauty of this church is emphasized by the clear indirect light that brings out every detail.

Combining Beauty with Scientific Design

The treatment of the illumination of the Saints' Peter and Paul Church, from both an artistic and a practical standpoint, presents some rather unusual and worthwhile features.

A combination of direct and indirect lighting emanating from beautifully executed lanterns of Gothic design, makes this Chattanooga church one of the most effectively illuminated auditoriums in the country. Although a strong direct light from overhead makes the reading of prayer books and hymnals very easy, the

glare factor has been largely eliminated by concealing the powerful lamps in deep Beehive reflectors which hide the light-source from all eyes not gazing directly up into them.

The largest part of the light from these lanterns, however, is produced by another set of lamps and large X-Ray reflectors that throw a well diffused indirect light on the ceiling from which it is spread evenly over the entire room. Eye-strain has been practically eliminated by this unique method of lighting.

CURTIS LIGHTING is—lighting from concealed sources—indirect illumination—eye comfort—the elimination of glare. *It's all in the X-Ray Reflector!* You'll find it everywhere!

Present your lighting problems to us—any kind, any place, any time.

Baltimore, 506 Maryland Trust Bldg. T. H. Bailey, Jr.
Boston, 146 Summer St. Karl Anton Piez
Cincinnati, 515 Keith Bldg. J. W. Morrison
Cleveland, 750 Prospect Ave. H. L. Wright
Dallas, 805 Republic Bank Bldg. F. H. Simmer
Denver, 209 Ideal Bldg. R. D. Thomas
Detroit, 400 Penobscot Bldg. I. M. Kirlin
Kansas City, 310 Reliance Bldg. H. B. Wheeler
Memphis, 205 Builders' Exchange H. O. Bourkard
Milwaukee, 506 Mayer Bldg. G. A. Hill
Minneapolis, 314 Third Avenue, South Harry S. Davis
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